

Hybrid Optical Network

HON-8832W

Overview

HON-8832W is a GE-PON system which complies with IEEE 802.3ah and 802.3z standards. It provides FTTx access network solutions and multimedia services based on Ethernet and IP.

HON-8832W is optimized for large-scale access network deployments such as large business and ISP operators by using a high capacity Ethernet switch. The switch integrates various networking functions with PON technologies, and pulls up the subscriber LAN network level to the next one.

HON-8832W consists of OLT(H8809), ONU(H1104E, ONU[H1204E) and EMS. PON interfaces transmit both upstream and downstream at 1 Gb/s, and each port utilizes splitters to serve up to 32 ONUs. There can apply a various type of splitters as followings: 1:2, 1:4, 1:8, 1:16 and 1:32.



H8809



H1104E



H1204E

Specifications

Model	Items	Quantity	Information
OLT (H8809)	Chassis	1	Shelf Type, 19Inch, 5U
	PSU	2	DC -48V, Redundancy
	PS24	2	Processor & L3 Switch, Redundancy
	NIC08	1	Gigabit Ethernet 8 Ports
	PIU	4	GE-PON 4 Ports per PIU
ONU [H1104E] [H1204E]	Chassis	1	Stand alone Type, 1U Uplink: 1 GE-PON Port (H1104E) 2 GE-PON Ports (H1204E) Downlink: 4 Fast Ethernet Port
	Power	1	Options

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Features

- Service integrated devices based on E-PON technology
- All units are Hot-Swap capable.
- Remote Configuration and Management
- L2 switching
- IP routing (OLT)
- DBA Based on Hardware Acceleration
- E-PON protection switching
- MAX coverage: 20Km

Function

구분	기능 및 성능	
Gigabit Functions	IEEE 802.3z compliant	
	1000BASE-X/T(Fiber & UTP)	
	Symmetric Transmission Rates : Max 1Gbps	
GE-PON Functions	IEEE 802.3ah compliant	
	Wavelength : Up (1310nm) / Down (1490nm)	
	Symmetric Transmission Rates : Max 1Gbps	
	Splitting Ratio : Max 1:32	
	Ranging, Flexible DBA	
L2 switching	Traffic classification (IEEE802.1p)	
	STP (IEEE802.1D)	
	VLAN (IEEE802.1Q), VLAN stacking	
	IGMP snooping	
L3 routing	Unicast routing	Static routing / Default routing
	IP Multicasting	IGMP / PIM-SM
	Load balancing	ECMP
Classification	ACL	
	Marking/remarking	DSCP
Qos	Rate limiting // Shaping // Drop Policing	
	Queueing	SPQ, WFQ, WRR, DWRR
	Congestion control	Taildrop, RED, WRED
Operation And Maintenance	CLI	Text based management(RS-232, Telnet)
	EMS	GUI based remote management
	Remote logging	Syslog
	OS upgrade	FTP, TFTP
Interface	16 * 1Gbps GE-PON Ports 8 * 1Gbps 1000Base-SX/LX Ports	

